

CLINTON COUNTY

INCLUDED: [Significant feature(s) of bridge given in boldface]
[Field inventoried bridge indicated by asterisk]

Inv. No.	MHTD	Bridge Name	Description
*CLIN01	H 653R	Plattsburg Bridge	1- 64' concrete open spandrel arch 1927 Mike Haas (replaced)
*CLIN02	J 245	Shoal Creek Bridge	1- 36' riveted kingpost pony truss c1905 Dildine Bridge Company (prob.)
*CLIN03	018001.2	McGuire Branch Bridge	1- 45' pinned Pratt pony truss c1910 Dildine Bridge Company (prob.)
CLIN04	029001.7	Castile Creek Bridge	1- 60' pinned Pratt pony truss c1910 Dildine Bridge Company (prob.)
CLIN05	031000.9	Castile Creek Bridge	(replaced)
CLIN06	032000.2	Castile Creek Bridge	1- 25' concrete filled spandrel arch c1920
CLIN07	058000.7	Grindstone Creek Culvert	(replaced)
*CLIN08	072002.8	Shoal Creek Bridge	1- 50' pinned Pratt pony truss 1909 Dildine Bridge Company
CLIN09	089000.4	Deer Creek Bridge	1- 27' steel stringer 1918 county work force
CLIN10	104000.3	Little Platte River Bridge	1- 50' pinned Pratt pony truss c1910 Dildine Bridge Company (prob.)
CLIN11	115001.6	Little Platte River Bridge	(replaced)
CLIN12	118001.5	Little Platte River Bridge	1- 36' riveted Pratt bedstead c1910 Dildine Bridge Company (prob.)
CLIN13	123001.3	Shoal Creek Bridge	(replaced)
CLIN14	124001.7	Shoal Creek Bridge	(replaced)
CLIN15	126000.4	Little Shoal Creek Bridge	1- 42' pinned Pratt pony truss c1910 Dildine Bridge Company (prob.)
CLIN16	129000.5	Little Shoal Creek Bridge	1-100' riveted Camelback pony truss c1915
CLIN17	152000.6	Little Platte River Bridge	1- 90' riveted Baltimore bedstead 1906 John Dildine Bridge Company
*CLIN18	255000.5	Little Platte River Bridge	1-108' rivet 2-angle Warren pony truss c1920
*CLIN19	256000.9	Little Platte River Bridge	1- 40' pinned Pratt half-hip pony truss 1898 Dildine Bridge Company
CLIN20	291001.5	Roberts Branch Bridge	1-100' pinned Pratt through truss 1902 Dildine Bridge Company
*CLIN21	325001.4	Castile Creek Bridge	

EXCLUDED:

Warren pony truss
H 655R1 T 45

CLINTON COUNTY

EXCLUDED (cont.):

Steel stringer

T 128	X 444	X 565	001000.2	003000.5	029000.1	030000.1
075000.3	079000.9	094000.4	102000.6	135000.7	143000.1	145001.5
177001.9	188000.0	232000.1	267000.9	270000.2	291000.9	292003.7
306000.8	311001.8	352001.2	354000.1	355001.1	356R00.4	357000.3
363001.3						

Steel multi-plate culvert

032001.1

Concrete girder

J 244	J 257	J 434	X 608
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Concrete slab

J 246	333001.3
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Concrete box culvert

G 906	J 264	J 265	K 261	K 277	L 7	T 46
T 127						

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	1	15	0	0	16
Excluded	18	28	0	0	46
	19	43	0	0	62 structures

Plattsburg Bridge

CLIN01

GENERAL DATA

structure no.:	H 653R	city/town:	Plattsburg
county:	Clinton	feature inters.:	Platte River Fork
		cadastral grid:	S24, T55N, R32W
		highway route:	State Highway 116
		highway distr.:	1
		current owner:	Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure:	concrete open spandrel arch, with concrete slab approach spans		
substructure:	concrete abutments, wingwalls and piers		
span number:	1	condition:	good
span length:	64.0'	alterations:	concrete curbs and guardrails replaced
total length:	137.0'	floor/decking :	concrete deck
roadway width:	22.0'	other features:	Armco guardrails

HISTORICAL DATA

erection date:	1927
erection cost:	\$12,462.64
designer:	Missouri State Highway Department
fabricator :	none
contractor:	Mike Haas

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number H 653R; Missouri Primary System Bridge Record, located at Missouri Highway and Transportation Department, Jefferson City MO; Clinton County Court Record 13: page 94 (8 May 1894) - located at Clinton County Courthouse, Plattsburg MO; field inspection by Lon Johnson, 19 September 1990.

sign. rating:	34
evaluation:	NRHP non-eligible (single-span representative of Missouri State Highway Department concrete design of the 1920s, altered)

inventoried by: Lon Johnson 9 September 1992

McGuire Branch Bridge

CLIN03

GENERAL DATA

structure no.:	018001.2	city/town:	7.2 miles northeast of Gower
county:	Clinton	feature inters.:	McGuire Branch
		cadastral grid:	S6/31, T56/57N, R32W
		highway route:	County Road 18
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure: steel, rigid-connected kingpost pony truss
substructure: timber pile bent abutments and wingwalls

span number:	1	condition:	fair
span length:	36.0'	alterations:	vertical and end post stiffeners on one web replaced
total length:	37.0'		
roadway width:	15.2'	floor/decking :	timber deck over steel stringers
		other features:	inclined end post: I-beam; lower chord: 2 channels with batten plates; vertical: I-beam (north web), 4 angles with lacing (south web); end post stiffener: I-beam (north web), 2 angles with batten plates (south web); lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels

HISTORICAL DATA

erection date: c1905
erection cost: unknown
designer: Dildine Bridge Company, Cameron MO (probable)
fabricator : Dildine Bridge Company, Cameron MO (probable); Cambria Steel Company, Pittsburgh PA
contractor: Dildine Bridge Company, Cameron MO (probable)
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 018001.2; field inspection by Lon Johnson, 15 September 1990.
sign. rating: 44
evaluation: NRHP non-eligible (undocumented example of now-rare structural type, significantly altered)

inventoried by: Lon Johnson 9 September 1992

Castile Creek Bridge

CLIN04

GENERAL DATA

structure no.:	029001.7	city/town:	9.2 miles northwest of Plattsburg
county:	Clinton	feature inters.:	branch of Castile Creek
		cadastral grid:	S2/3, T56N, R32W
		highway route:	County Road 29
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	concrete abutments and wingwalls		
span number:	1	condition:	fair
span length:	45.0'	alterations:	unknown
total length:	45.0'	floor/decking :	concrete deck over steel stringers
roadway width:	13.7'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1910
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO (probable)
fabricator :	Dildine Bridge Company, Cameron MO (probable)
contractor:	Dildine Bridge Company, Cameron MO (probable)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 029001.7; Clinton County Court Record, Book 13: page 589 (2 June 1896) - located at Clinton County Courthouse, Plattsburg MO.
sign. rating:	30
evaluation:	NRHP non-eligible (typically configured example of common structural type, with incomplete documentation)

inventoried by: Lon Johnson 9 September 1992

Castile Creek Bridge

CLIN05

GENERAL DATA

structure no.:	031000.9	city/town:	9.7 miles northwest of Plattsburg
county:	Clinton	feature inters.:	Castile Creek
		cadastral grid:	S4, T56N, R32W
		highway route:	County Road 31
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers, with timber back- and wingwalls		
span number:	1	condition:	fair
span length:	60.0'	alterations:	unknown
total length:	61.0'	floor/decking :	timber deck
roadway width:	13.6'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1910
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO (probable)
fabricator :	Dildine Bridge Company, Cameron MO (probable)
contractor:	Dildine Bridge Company, Cameron MO (probable)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 031000.9.
sign. rating:	38
evaluation:	NRHP non-eligible (partially documented, undistinguished example of common structural type)

Inventoried by: Lon Johnson 9 September 1992

Grindstone Creek Bridge

CLIN07

GENERAL DATA

structure no.:	058000.7	city/town:	4.7 miles southwest of Cameron
county:	Clinton	feature inters.:	Grindstone Creek
		cadastral grid:	S24/25, T57N, R31W
		highway route:	County Road 58
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	concrete filled spandrel arch		
substructure:	concrete abutments and wingwalls		
span number:	1	condition:	fair
span length:	25.0'	alterations:	unknown
total length:	57.0'	floor/decking :	concrete over earth fill
roadway width:	18.0'	other features:	concrete parapets with incised rectangular panels

HISTORICAL DATA

erection date:	c1920
erection cost:	unknown
designer:	unknown
fabricator :	none
contractor:	unknown
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 058000.7.
sign. rating:	18
evaluation:	NRHP non-eligible (technologically undistinguished example of small-scale concrete arch construction)

Inventoried by: Lon Johnson 9 September 1992

Deer Creek Bridge

CLIN09

GENERAL DATA

structure no.:	089000.4	city/town:	6.7 miles south of Cameron
county:	Clinton	feature inters.:	Deer Creek
		cadastral grid:	S23/26, T56N, R30W
		highway route:	County Road 89
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	unknown		
span number:	1	condition:	fair
span length:	50.0'	alterations:	unknown
total length:	51.0'	floor/decking :	timber deck
roadway width:	11.9'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	1909
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO
fabricator :	Dildine Bridge Company, Cameron MO
contractor:	Dildine Bridge Company, Cameron MO
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 089000.4; Clinton County Court Record, Book 19: page 77 (7 April 1909) - located at Clinton County Courthouse, Plattsburg MO.
sign. rating:	41
evaluation:	NRHP non-eligible (well-documented, undistinguished example of a mainstay structural type)

inventoried by: Lon Johnson 9 September 1992

Little Platte River Bridge

CLIN10

GENERAL DATA

structure no.:	104000.3	city/town:	9.3 miles southwest of Cameron
county:	Clinton	feature inters.:	Little Platte River
		cadastral grid:	S9, T56N, R31W
		highway route:	County Road 104
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel stringer		
substructure:	unknown		
span number:	1	condition:	fair
span length:	27.0'	alterations:	unknown
total length:	28.0'	floor/decking :	unknown
roadway width:	17.0'	other features:	unknown

HISTORICAL DATA

erection date: 1918
erection cost: unknown
designer: unknown
fabricator : St. Joseph Structural Steel Company, St. Joseph MO
contractor: county work force

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 104000.3; Clinton County Court Record, Book 22: page 130 (5 August 1918) - located at Clinton County Courthouse, Plattsburg MO.

sign. rating: 30
evaluation: NRHP non-eligible (undistinguished example of an exceedingly common structural type, used at short-span crossings)

inventoried by: Lon Johnson 9 September 1992

Little Platte River Bridge

CLIN11

GENERAL DATA

structure no.:	115001.6	city/town:	5.6 miles northeast of Plattsburg
county:	Clinton	feature inters.:	Little Platte River
		cadastral grid:	S3/34, T55/56N, R31W
		highway route:	County Road 115
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	timber pile bent abutments and wingwalls		
span number:	1	condition:	fair
span length:	50.0'	alterations:	unknown
total length:	52.0'	floor/decking :	timber deck
roadway width:	11.7'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1910
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO (probable)
fabricator :	Dildine Bridge Company, Cameron MO (probable)
contractor:	Dildine Bridge Company, Cameron MO (probable)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 115001.6.
sign. rating:	30
evaluation:	NRHP non-eligible (typically configured and modestly scaled example of common structural type)

inventoried by: Lon Johnson 9 September 1992

Shoal Creek Bridge

CLIN13

GENERAL DATA

structure no.:	123001.3	city/town:	8.7 miles northeast of Plattsburg
county:	Clinton	feature inters.:	Shoal Creek
		cadastral grid:	S5, T55N, R30W
		highway route:	County Road 123
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, rigid-connected Pratt truss-leg bedstead, with steel stringer approach spans		
substructure:	steel truss legs with timber back- and wingwalls		
span number:	1	condition:	fair
span length:	36.0'	alterations:	unknown
total length:	60.0'	floor/decking :	timber deck
roadway width:	13.8'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1910
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO (probable)
fabricator :	Dildine Bridge Company, Cameron MO (probable)
contractor:	Dildine Bridge Company, Cameron MO (probable)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 123001.3; Clinton County Court Record, Book 15: page 297 (5 February 1900) - located at Clinton County Courthouse, Plattsburg MO.
sign. rating:	35
evaluation:	NRHP non-eligible (typical, short-span example of a relatively common Pratt truss sub-type)

inventoried by: Lon Johnson 9 September 1992

Little Shoal Creek Bridge

CLIN16

GENERAL DATA

structure no.:	129000.5	city/town:	5.3 miles northeast of Lathrop
county:	Clinton	feature inters.:	Little Shoal Creek
		cadastral grid:	S33, T56N, R30W
		highway route:	County Road 129
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	timber pile bent abutments and wingwalls		
span number:	1	condition:	fair
span length:	42.0'	alterations:	unknown
total length:	42.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.8'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1910
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO (probable)
fabricator :	Dildine Bridge Company, Cameron MO (probable)
contractor:	Dildine Bridge Company, Cameron MO (probable)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 129000.5.
sign. rating:	30
evaluation:	NRHP non-eligible (typically configured, short-span example of common structural type)

inventoried by: Lon Johnson 9 September 1992

Little Platte River Bridge

CLIN17

GENERAL DATA

structure no.:	152000.6	city/town:	2.7 miles northeast of Plattsburg
county:	Clinton	feature inters.:	Little Platte River
		cadastral grid:	S17, T55N, R31W
		highway route:	County Road 152
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 6-panel, rigid-connected Camelback pony truss, with steel stringer approach spans		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	100.0'	alterations:	unknown
total length:	139.0'	floor/decking :	concrete deck over steel stringers
roadway width:	14.0'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	c1920
erection cost:	unknown
designer:	unknown
fabricator :	unknown
contractor :	unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 152000.6; Clinton County Court Record, Book 17: page 38 (3 March 1903) - located at Clinton County Courthouse, Plattsburg MO.

sign. rating:	38
evaluation:	NRHP non-eligible (a long-span example of an uncommon structural type, but lacking in documentation)

inventoried by: Lon Johnson 9 September 1992

Little Platte River Bridge

CLIN18

GENERAL DATA

structure no.:	255000.5	city/town:	Plattsburg
county:	Clinton	feature inters.:	Little Platte River
		cadastral grid:	S25, T55N, R32W
		highway route:	County Road 255
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure: steel, 5-panel, rigid-connected Baltimore bedstead truss, with steel stringer approach span at each end

substructure: concrete abutments and wingwalls; truss-leg piers

span number:	1	condition:	fair
span length:	90.0'	alterations:	bridge closed; deck removed
total length:	139.0'	floor/decking :	timber deck (removed) over steel stringers
roadway width:	11.7'	other features:	upper chord, upright end post and lower chord: 2 channels; vertical: 1 channel; diagonal: 2 angles; lateral bracing: 1 angle; strut: 1 channel; floor beam: I-beam, field-bolted to vertical

HISTORICAL DATA

erection date: 1906

erection cost: \$2425.00

designer: unknown

fabricator : Dildine Bridge Company, Cameron MO;
Cambria Steel Company, Pittsburgh PA

contractor: Dildine Bridge Company, Cameron MO

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 255000.5; Clinton County Court Record, Book 17: page 160 (5 June 1906), page 396 (1 July 1907), page 433 (12 October 1907) - located at Clinton County Courthouse, Plattsburg MO; field inspection by Lon Johnson, 15 September 1990.

sign. rating: 76

evaluation: NRHP eligible (unique example of esoteric truss type)

inventoried by: Lon Johnson 9 September 1992

Little Platte River Bridge

CLIN19

GENERAL DATA

structure no.:	256000.9	city/town:	1.5 miles southwest of Plattsburg
county:	Clinton	feature inters.:	Little Platte River
		cadastral grid:	S26, T55N, R32W
		highway route:	County Road 256
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 12-panel, rigid-connected Warren pony truss, with steel stringer approach spans		
substructure:	concrete abutments; concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	108.0'	alterations:	none
total length:	136.0'	floor/decking :	concrete deck over steel stringers
roadway width:	12.6'	other features:	upper chord, inclined end post, lower chord, vertical, diagonal and strut: 2 angles; floor beam: I-beam, field-bolted to vertical; guard-rail: 2 channels

HISTORICAL DATA

erection date:	c1920
erection cost:	unknown
designer:	unknown
fabricator :	Inland Steel Company, East Chicago IN
contractor :	unknown
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 256000.9; field inspection by Lon Johnson, 15 September 1990.
sign. rating:	44
evaluation:	NRHP non-eligible (a long-span example of an uncommon structural type, lacking in documentation)

inventoried by: Lon Johnson 9 September 1992

Roberts Branch Bridge

CLIN20

GENERAL DATA

structure no.:	291001.5	city/town:	3.5 miles southwest of Plattsburg
county:	Clinton	feature inters.:	Roberts Branch
		cadastral grid:	S33, T55N, R32W
		highway route:	County Road 291
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt half-hip pony truss, with steel stringer approach span		
substructure:	concrete abutments, wingwalls and piers		
span number:	1	condition:	fair
span length:	40.0'	alterations:	none
total length:	61.0'	floor/decking :	timber deck
roadway width:	11.7'	other features:	timber guardrails

HISTORICAL DATA

erection date:	1898
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO
fabricator :	Dildine Bridge Company, Cameron MO
contractor :	Dildine Bridge Company, Cameron MO
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 291001.5; Clinton County Court Record, Book 14: page 510 (2 June 1898) - located at Clinton County Courthouse, Plattsburg MO.
sign. rating:	43
evaluation:	NRHP non-eligible (typically configured, early example of a mainstay structural type)

inventoried by: Lon Johnson 9 September 1992

Castile Creek Bridge

CLIN21

GENERAL DATA

structure no.:	325001.4	city/town:	6.2 miles northwest of Plattsburg
county:	Clinton	feature inters.:	Castile Creek
		cadastral grid:	S12, T55N, R33W
		highway route:	County Road 325
		highway distr.:	1
		current owner:	Clinton County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss, with timber and steel stringer approach spans
substructure: concrete abutments and wingwalls; steel pile bent piers

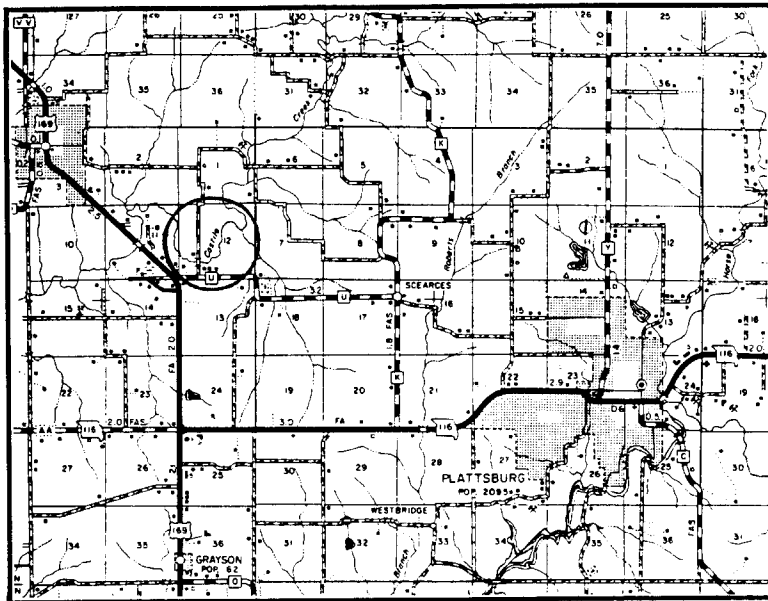
span number:	1	condition:	fair
span length:	100.0'	alterations:	approach spans replaced
total length:	166.0'	floor/decking :	asphalt on timber deck, over steel stringers
roadway width:	11.5'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 square eyebars at hip); diagonal: 2 punched rectangular eyebars; counter: square eyebar with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; portal strut: steel lattice; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel pipe; portal builder's plate: 1902 / BUILT BY DILDINE BRIDGE AND / CONSTRUCTION CO.

HISTORICAL DATA

erection date: 1902
erection cost: \$1750.00
designer: Dildine Bridge and Construction Company, Cameron MO
fabricator : Dildine Bridge and Construction Company, Cameron MO;
Carnegie Steel Company, Pittsburgh PA
contractor: Dildine Bridge and Construction Company, Cameron MO
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 325001.4; Clinton County Court Record, Book E: page 128 (3 March 1902); Book 17: page 121 (6 July 1903) - located at Clinton County Courthouse, Plattsburg MO; field inspection by Lon Johnson, 15 September 1990.
sign. rating: 45
evaluation: NRHP non-eligible (typical example of mainstay structural type)
inventoried by: Lon Johnson 9 September 1992

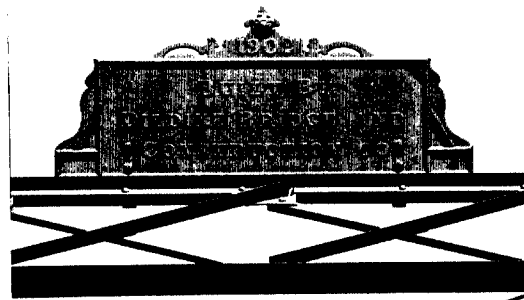
NAME(S) OF STRUCTURE
Castile Creek Bridge

PHOTOS AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP



SOURCES

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 325001.4; Clinton County Court Record, Book E: page 128 (3 March 1902); Book 17: page 121 (6 July 1903) - located at Clinton County Courthouse, Plattsburg MO; field inspection by Lon Johnson, 15 September 1990.

INVENTORIED BY

Clayton Fraser and Lon Johnson

AFFILIATION

Fraserdesign, Loveland CO

DATE

9 September 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Castile Creek Bridge
MHTD: 325001.4

CLIN21

DATE(S) OF CONSTRUCTION

1902

LOCATION

County Road 325 over Castile Creek; S12, T55N, R33W
6.2 miles northwest of Plattsburg; Clinton County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 45)

CONDITION

fair

OWNER

Clinton County

span number: 1
span length: 100.0'
total length: 166.0'
roadway wdt.: 11.5'

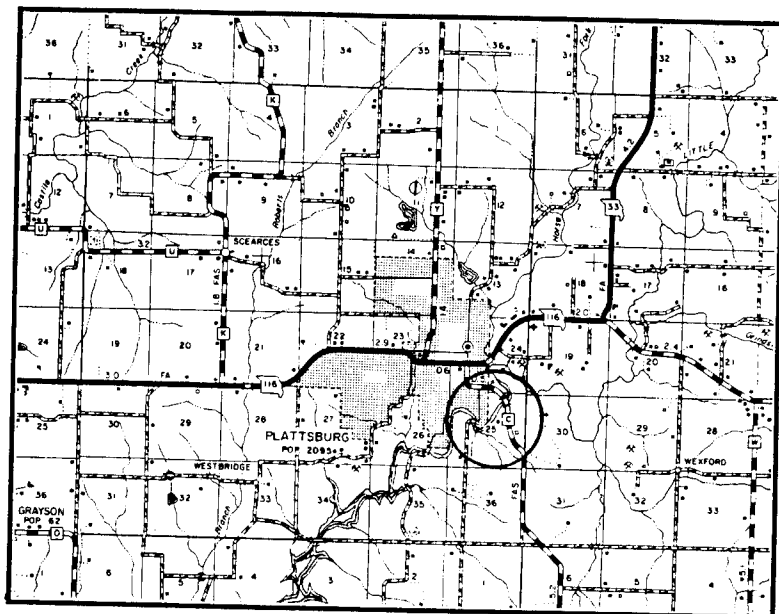
superstructure: steel, 6-panel, pin-connected Pratt through truss, with timber and steel stringer approach spans
substructure: concrete abutments and wingwalls; steel pile bent piers
floor/decking: asphalt on timber deck, over steel stringers
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 square eyebars at hip); diagonal: 2 punched rectangular eyebars; counter: square eyebar with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; portal strut: steel lattice; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel pipe; portal builder's plate: 1902 / BUILT BY DILDINE BRIDGE AND / CONSTRUCTION CO.

On February 3, 1902, the Clinton County Court directed the county's road and bridge commissioner to advertise for bids for a bridge to be built in the southwest $\frac{1}{4}$ of Township 55 North, Range 33 West. Acting quickly, the commissioner immediately solicited bids, presenting them to the court a month later. On March 3rd the court awarded a \$1750.00 contract to the Dildine Bridge and Construction Company for the structure's erection. The Cameron, Missouri, firm completed the structure early that summer, and on July 6th was paid \$1750.00 for work on the bridge. A pin-connected Pratt through truss, the Castile Creek Bridge continues to carry local traffic in rural Atchison Township.

The Castile Creek Bridge is a structurally intact, well-documented example of pinned Pratt truss construction. Significant for its association with the prolific Dildine Bridge Company, the structure is technologically representative - a Missouri's mainstay structural type for medium-span crossings.

NAME(S) OF STRUCTURE

Little Platte River Bridge

PHOTOS AND SKETCH MAP OF LOCATION**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP

**SOURCES**

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 255000.5; Clinton County Court Record, Book 17: page 160 (5 June 1906), page 396 (1 July 1907), page 433 (12 October 1907) - located at Clinton County Courthouse, Plattsburg MO; field inspection by Lon Johnson, 15 September 1990.

INVENTORIED BY

Clayton Fraser and Lon Johnson

AFFILIATION

Fraserdesign, Loveland CO

DATE

9 September 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Little Platte River Bridge
MHTD: 255000.5

CLIN18

DATE(S) OF CONSTRUCTION

1906

LOCATION

County Road 255 over Little Platte River; S25, T55N, R32W
Plattsburg; Clinton County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / abandoned

RATING NRHP eligible (score: 76)

CONDITION

fair

OWNER

Clinton County

span number: 1
span length: 90.0'
total length: 139.0'
roadway wdt.: 11.7'

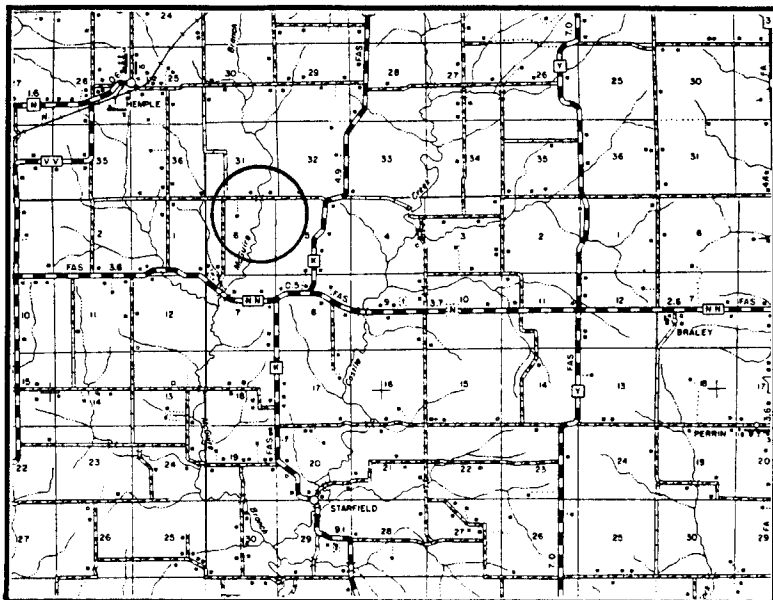
superstructure: steel, 5-panel, rigid-connected Baltimore bedstead truss, with steel stringer approach span at each end
substructure: concrete abutments and wingwalls; truss-leg piers
floor/decking: timber deck (removed) over steel stringers
other features: upper chord, upright end post and lower chord: 2 channels; vertical: 1 channel; diagonal: 2 angles; lateral bracing: 1 angle; strut: 1 channel; floor beam: I-beam, field-bolted to vertical

On June 5, 1906, the Clinton County Court received bids to build three bridges, including a 90-foot span across the Little Platte River just southeast of Plattsburg. Ranging from \$2025.00 to \$2305.00, bids were received from the Dildine Bridge Company, Illinois Steel Bridge Company, Midland Bridge Company, Kansas City Bridge Company and Canton Bridge Company. Dildine's bid was low, and for an additional \$400.00 the firm offered to build the bridge on steel tubes - a proposal that the county evidently rejected. Based in nearby Cameron, Missouri, Dildine began work on this bridge and another smaller crossing later that year, but progress was initially slow. It was not until October 1907 that both bridges had been accepted and warrants issued for their construction. For unknown reasons, the Little Platte River Bridge Dildine opted not to build a traditional Pratt truss, but instead erected this long-span truss-leg bedstead with an uncommon Baltimore truss configuration. Now abandoned, this esoteric truss is the only one of its kind identified by Missouri's statewide historic bridge inventory. Although its timber deck has been removed, the bridge is otherwise structurally intact.

Pin-connected Pratt trusses were built by the thousands throughout Missouri in the years surrounding the turn of the century. Through trusses were usually built at crossings more than 80-feet in length, but pony trusses of up to 100 feet were occasionally built. Other truss types - including Parker, Camelback and Pennsylvania trusses - were built less commonly, usually at long-span crossings. But Baltimore configured trusses were rarely built in Missouri; only six existing bridges use this peculiar configuration. Among these, the Little Platte River Bridge is unique as the only non-through truss, and the only such structure with bedstead legs. As a well-documented and evidently unique truss type, the Little Platte River Bridge is a significant structural anomaly.

NAME(S) OF STRUCTURE

McGuire Branch Bridge

PHOTOS AND SKETCH MAP OF LOCATION**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP



SOURCES

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 018001.2; field inspection by Lon Johnson, 15 September 1990.

INVENTORIED BY

Clayton Fraser and Lon Johnson

AFFILIATION

Fraserdesign, Loveland CO

DATE

9 September 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

McGuire Branch Bridge
MHTD: 018001.2

CLIN03

DATE(S) OF CONSTRUCTION

c1905

LOCATION

County Road 18 over McGuire Branch; S6/31, T56/57N, R32W
7.2 miles northeast of Gower; Clinton County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 44)

CONDITION

fair

OWNER

Clinton County

span number: 1
span length: 36.0'
total length: 37.0'
roadway wdt.: 15.2'

superstructure: steel, rigid-connected kingpost pony truss
substructure: timber pile bent abutments and wingwalls
floor/decking: timber deck over steel stringers
other features: inclined end post: I-beam; lower chord: 2 channels with batten plates; vertical: I-beam (north web), 4 angles with lacing (south web); end post stiffener: I-beam (north web), 2 angles with batten plates (south web); lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels

This short span crossing of McGuire Branch is located some seven miles northeast of Gower, in Lafayette Township. A rigid-connected kingpost pony truss, the bridge is supported by a timber substructure. Minutes of the Clinton County Court do not refer specifically to the small structure, but it appears to have been built circa 1905. The Dildine Bridge Company of nearby Cameron, Missouri, built similar kingposts elsewhere and was the dominant bridge builder in Clinton County in the years following the turn of the century. A firm that was active throughout northern Missouri, Dildine Bridge was probably responsible for the erection of the McGuire Branch Bridge. Since its completion, the crossing has been utilized primarily by local citizens in rural northwestern Clinton County. The vertical and end post stiffeners on the north web have been replaced with I-beams, perhaps as the result of collision damage.

The simplest of truss types, the kingpost pony truss was utilized throughout Missouri during the state's settlement and early development periods in the 19th century. Earlier examples were simple wood trusses, while later kingposts were built of iron or steel. By the turn of the century, though, Pratt truss configurations - including truss-leg bedsteads and half-hip pony trusses - had become the designs of choice for short-span crossings. Consequently, few kingposts were built after 1900, and only a dozen are now known to remain in use on Missouri's roadways. One of only four Missouri kingposts with riveted connections, the McGuire Branch Bridge is technologically representative of kingpost pony truss construction - a once popular but now rare truss design.